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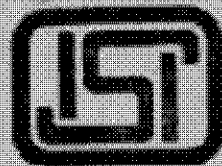
IS : 11194 - 1985

(Reaffirmed 1998)

Indian Standard

SPECIFICATION FOR
JOCKEY PULLEYS USED IN
RING SPINNING AND DOUBLING FRAMES

UDC 677-052-3 : 677-052-6 : 621-851



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INDIAN STANDARDS INSTITUTION
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

Indian Standard

SPECIFICATION FOR JOCKEY PULLEYS USED IN RING SPINNING AND DOUBLING FRAMES

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Indian Standard

SPECIFICATION FOR JOCKEY PULLEYS USED IN RING SPINNING AND DOUBLING FRAMES

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 30 April 1985, after the draft finalized by the Spinning Machinery (Cotton System) Sectional Committee had been approved by the Textile Division Council.

0.2 Jockey pulley which is used for guiding and tensioning the tape driving the spindles has to conform to certain specification for ensuring smooth and trouble free service life of the spindles.

0.3 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS : 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard prescribes the requirements for jockey pulleys used in ring spinning and doubling frames for guiding and tensioning spindle tapes.

2. MATERIAL

2.1 Shell — The shell of the pulley shall be manufactured from hot rolled carbon steel sheet or strip (*see* IS : 1079-1973†).

3. MANUFACTURE

3.1 The pulley shall be mounted on anti-friction bearing. The pulley and holding bracket shall have the provision for greasing.

NOTE — Type of grease and schedule for greasing as recommended by the manufacturer shall be followed.

*Rules for rounding off numerical values (*revised*).

†Specification for hot rolled carbon steel sheet and strip (*third revision*).

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3.2 The bearing of the jockey pulley shall be protected against ingress of fly and dust by a suitable design.

4. WORKMANSHIP AND FINISH

4.1 The outer surface of the pulley shall be smooth and shall be free from burrs, indentations, rough spots, sharp edges and such other defects which can contribute to the damage of the spindle tape.

5. REQUIREMENTS

5.1 Dimensions — The outside diameter of jockey pulley shall be 60, 70 or 90 mm. The working width of the pulley shall be as agreed to between the buyer and the seller. The outside diameter and working width of pulley shall be subject to a tolerance of ± 0.2 mm.

5.2 Run-Out — The radial run-out shall not exceed 0.2 mm and face run-out shall not exceed 0.3 mm.

6. MARKING AND PACKING

6.1 Marking — Each pulley shall be marked with the manufacturer's name, initials or trade-mark, if any.

6.1.1 Each pulley may also be marked with the ISI Certification Mark.

NOTE — The use of the ISI Certification Mark is governed by the provisions of the Indian Standards Institution (Certification Marks) Act and the Rules and Regulations made thereunder. The ISI Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well-defined system of inspection, testing and quality control which is devised and supervised by ISI and operated by the producer. ISI marked products are also continuously checked by ISI for conformity to that standard as a further safeguard. Details of conditions, under which a licence for the use of the ISI Certification Mark may be granted to manufacturers or processors, may be obtained from the Indian Standards Institution.

6.2 Packing — Each pulley shall be wrapped in kraft paper or polyethylene film. A convenient number of wrapped pulleys shall be packed in a wooden case, crate or cardboard box.

7. SAMPLING

7.1 Unless otherwise agreed to between the buyer and the seller to ascertain the conformity of the pulleys to various requirements of this standard, the procedure given in IS : 2500 (Part 1)-1973* shall be followed. The single sampling plan corresponding to the level of Inspection and AQL for various characteristics shall be as follows :

Characteristics	Level of Inspection	AQL percent
Visual	IV	4
Dimensional	III	2.5
Run-out	III	1.0

*Sampling inspection tables: Part 1 Inspection by attributes and by count of defects (first revision).